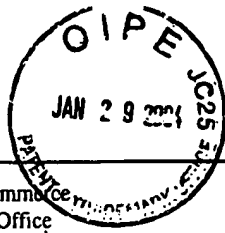


Form PTO-1449, U.S. Department of Commerce (Rev. 8-88) Patent and Trademark Office				Attorney Docket No.: 0515.67242		Serial No.: 10/656,517	
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				Applicant: Suomi et al.			
				Filing Date: September 5, 2003		Group: 2837	
U.S. PATENT DOCUMENTS							
Examiner Initial*	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
K	4,087,732	May 2, 1978	Pritchard				
	4,581,565	April 8, 1986	Van Pelt et al.				
	4,931,712	June 5, 1990	DiGiulio et al.				
	5,225,756	July 6, 1993	Coutu				
	5,231,343	July 27, 1993	Nakamura				
	5,440,214	Aug. 8, 1995	Peeters				
	5,450,521	Sept. 12, 1995	Redlich				
FOREIGN PATENT DOCUMENTS							
	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
K	SGS-Thomson Microelectronics, "DMOS Full Bridge Driver," descriptions and diagrams, July 1997.						
	Whitis, Mark, "Basic Stepper Motor Driver Schematic," 1999.						
	New Japan Radio Co., Ltd., "Microstepping," descriptions and diagrams, http://www.njr.co.jp/pdf/cc/ec05005.pdf .						
	Laidman, Russell, "Part III - Current Control for Stepper Motors," 2001, http://209.41.165.153/stepper/Tutorials/MicroTutor.htm .						
Examiner	K			Date Considered 10/14/01			
*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

5253155

Form PTO-1449 U.S. Department of Commerce
(Rev. 8-88) Patent and Trademark Office

Attorney Docket No.: 0515.67242

Serial No.: 10/656,517

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

Applicant: Suomi et al.

Filing Date: September 5, 2003

Group: 2834

U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
JW	5,519,601	May 21, 1996	Close et al.			
	5,572,105	Nov. 5, 1996	Nojima et al.			
	(Fig. 1) 5,936,371	Aug. 10, 1999	Bolash et al.			
	5,977,737	Nov. 2, 1999	Labriola, II			
	6,348,775	Feb. 19, 2002	Edelson et al.			
SS	US 2002/0097016	Jul. 25, 2002	Tanaka et al.			

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

K	http://hyperphysics.phy-astr.gsu.edu/hbase/electronic/xor.html , "Exclusive OR Gate," concept map, January 14, 2001.
L	http://hyperphysics.phy-astr.gsu.edu/hbase/electronic/and.html , "AND Gate," concept map, March 5, 2001.
W	Jones, Douglas W., "Control of Stepping Motors, A Tutorial," Section 5, 1995, 1998, The University of Iowa Department of Computer Science, http://www.cs.uiowa.edu/~jones/step/micro.html .

Examiner

Date Considered

12/19/04

*Examiner:

Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.